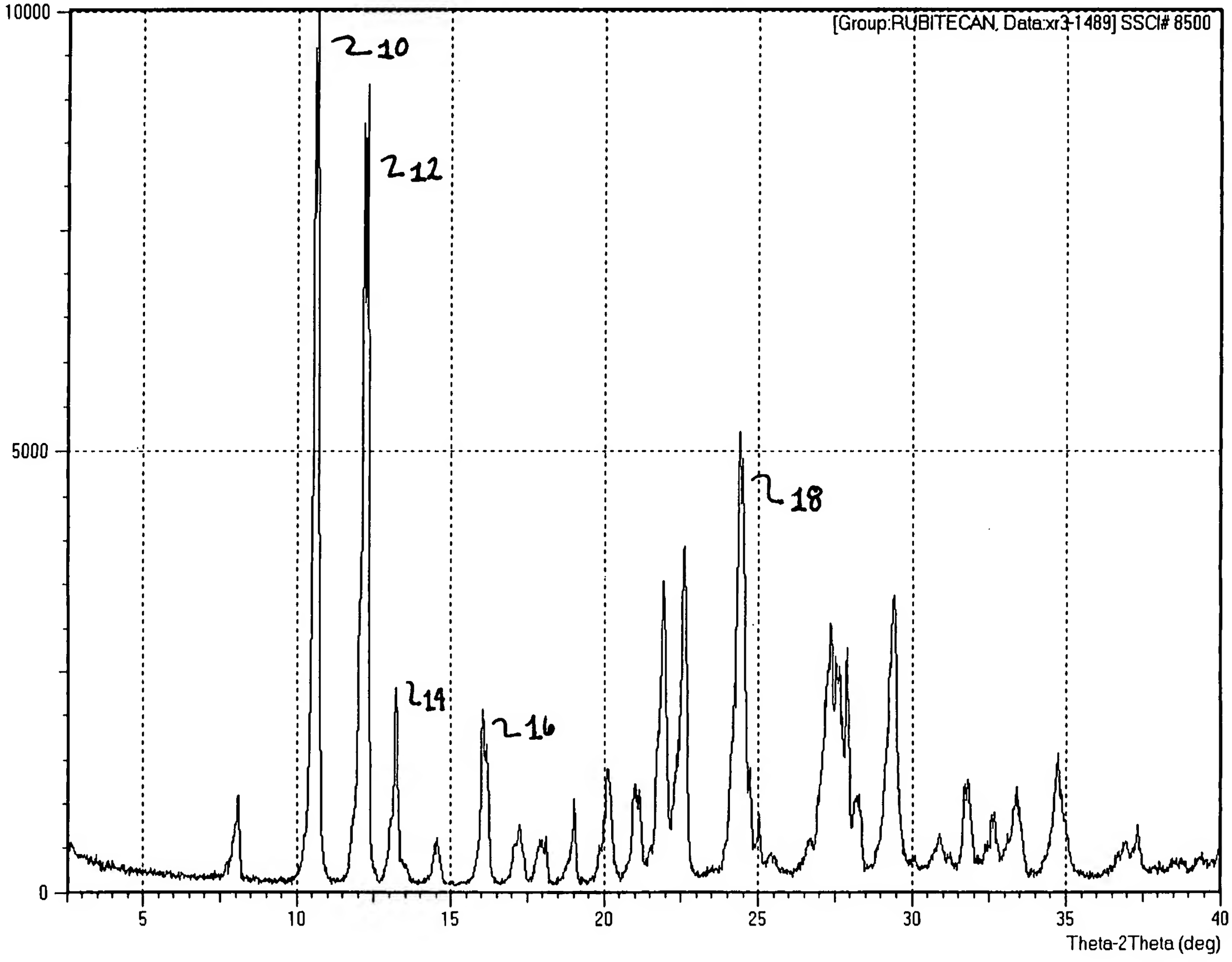

FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

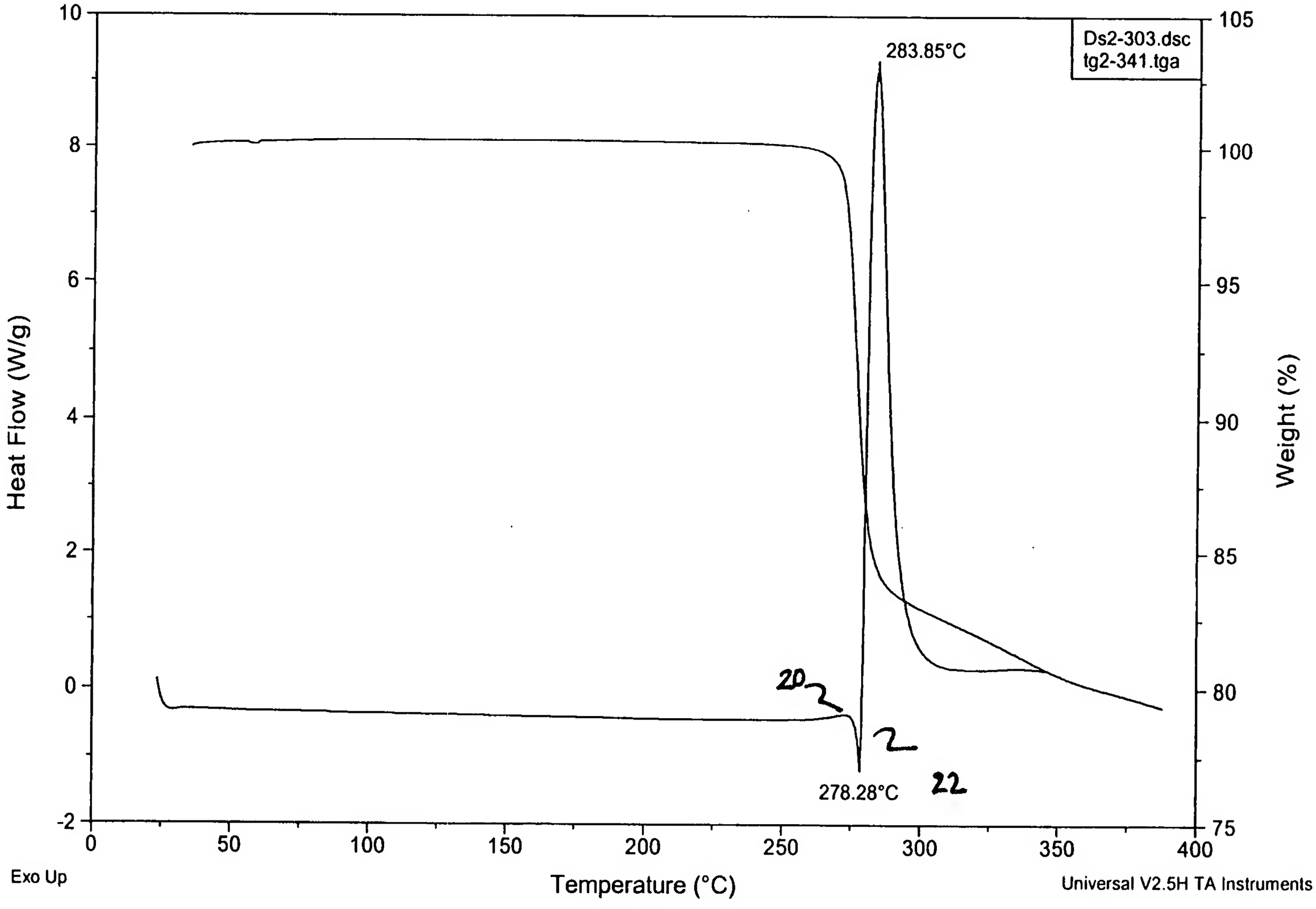

FIG. 2

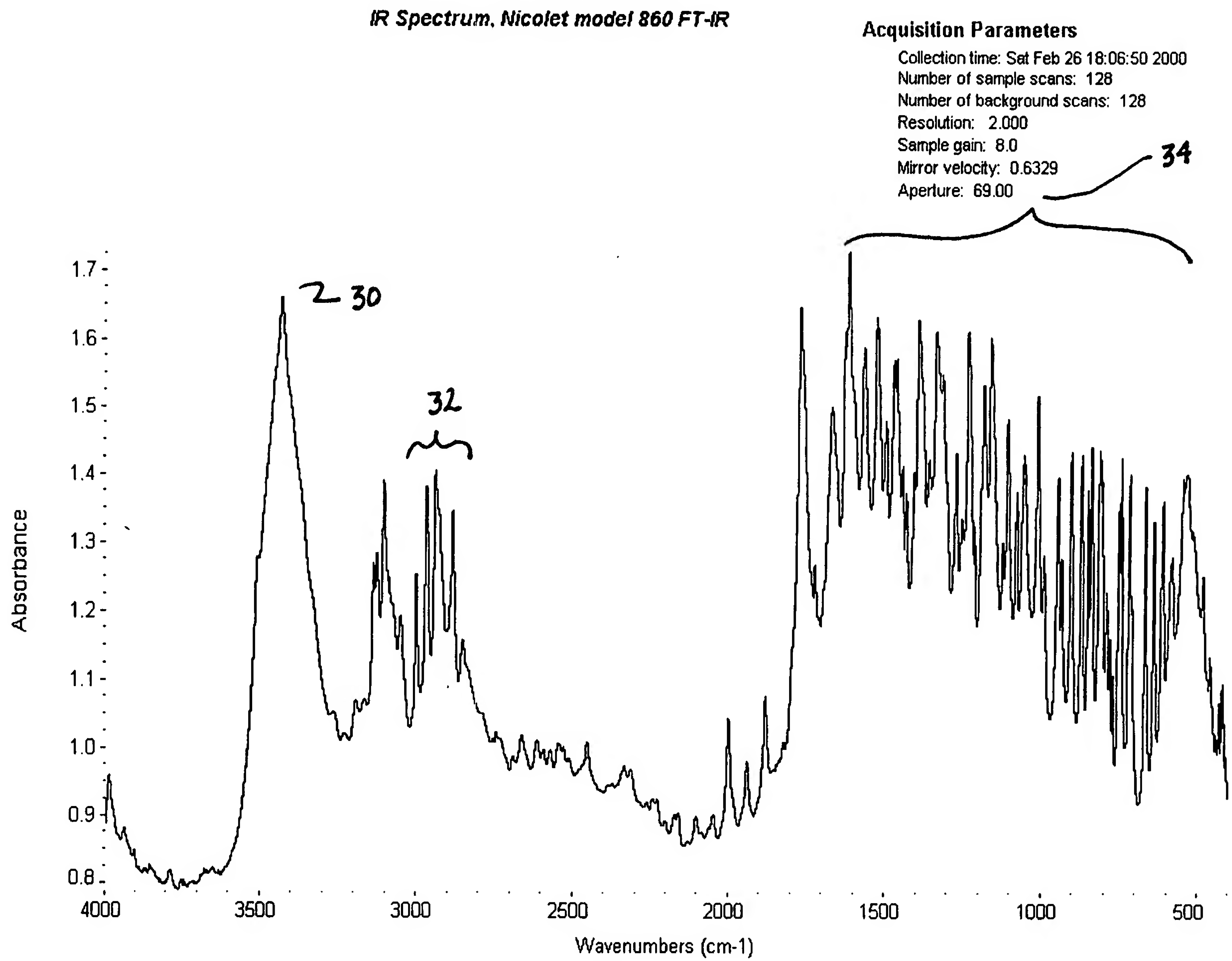
IR Spectrum, Nicolet model 860 FT-IR
Acquisition Parameters
Collection time: Sat Feb 26 18:06:50 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00
30
32
34
Absorbance
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
4000
3500
3000
2500
2000
1500
1000
500
Wavenumbers (cm-1)

FIG. 3

Raman Spectrum, Nic_let m_del 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

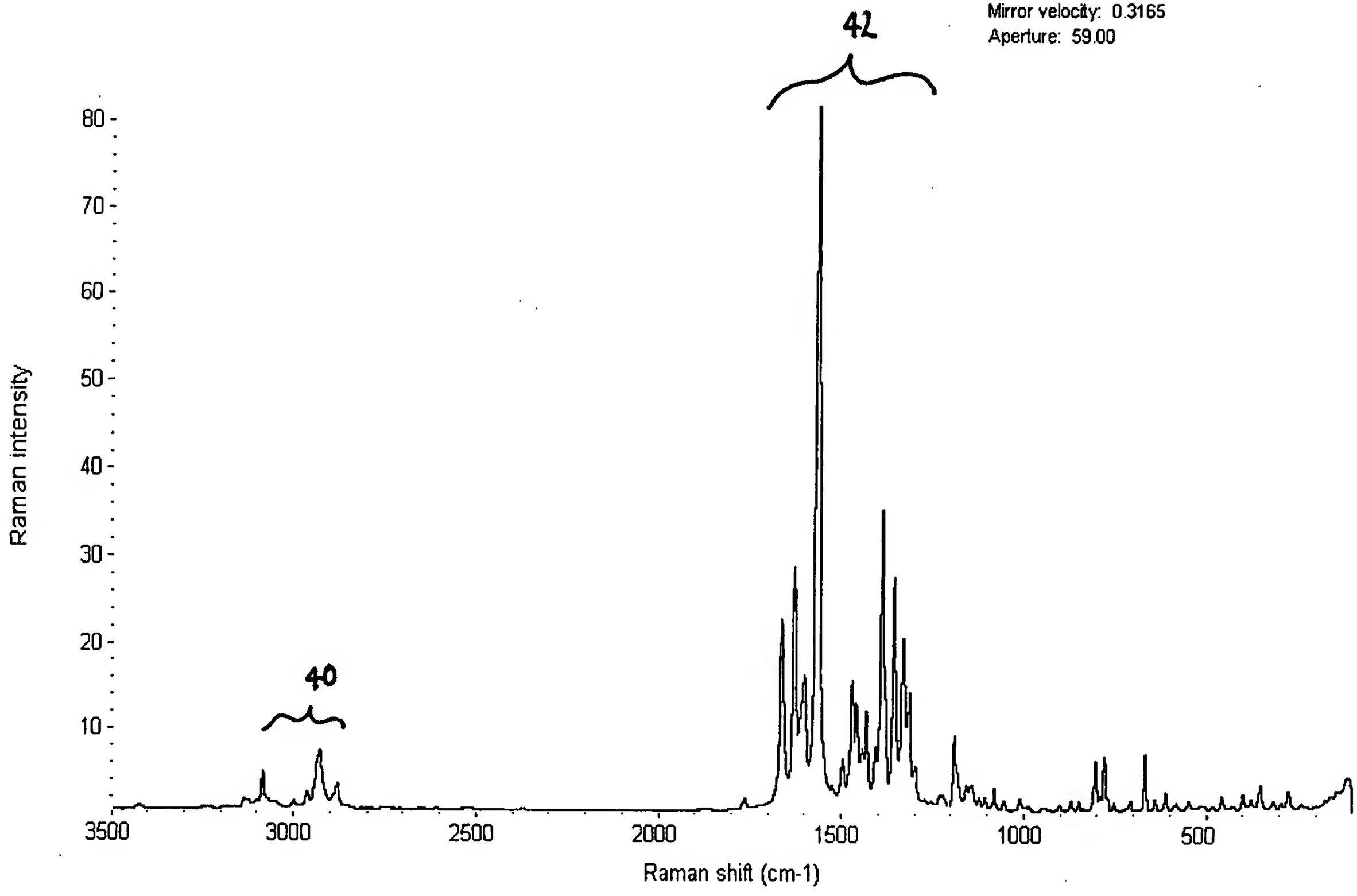

FIG. 4

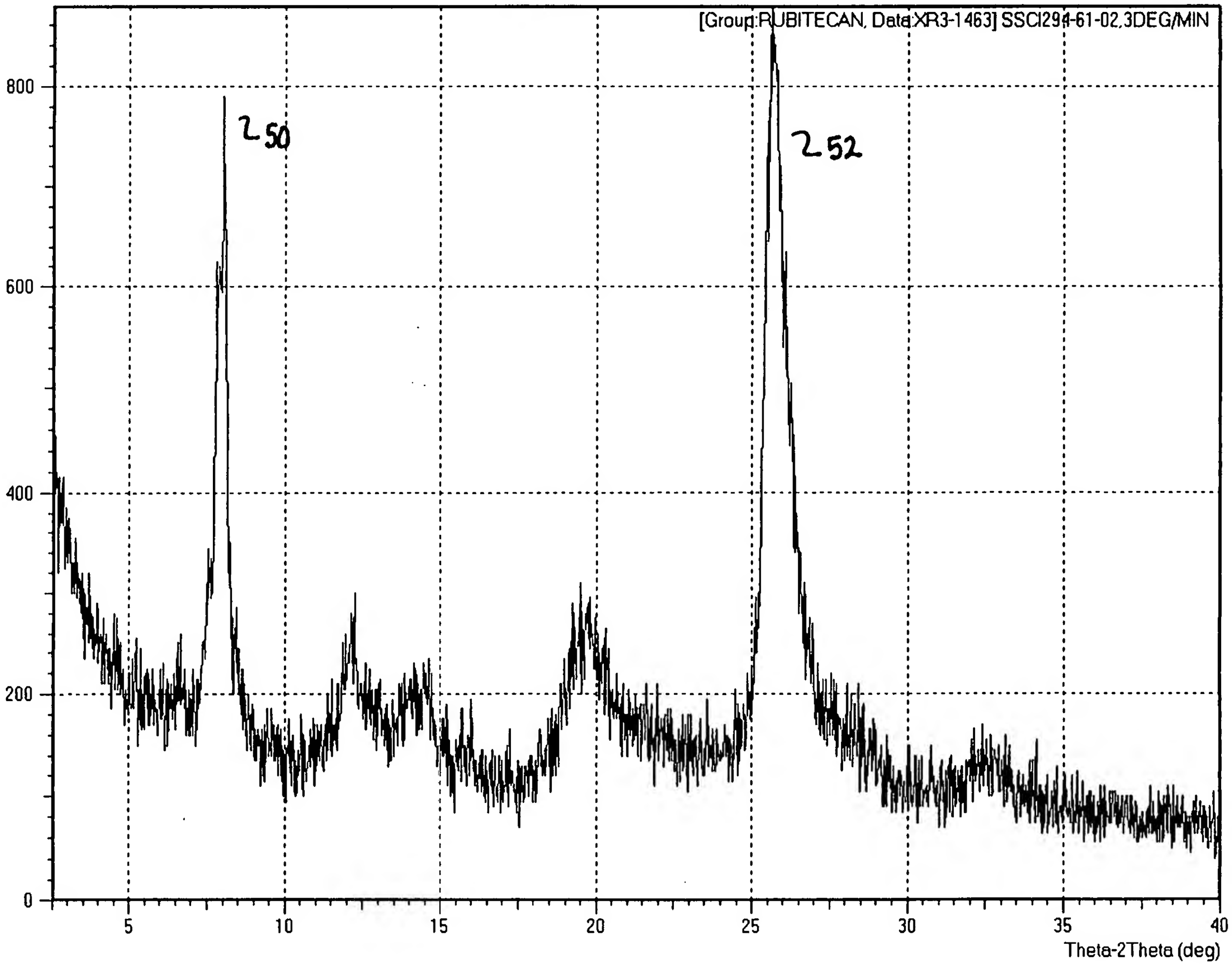
[Group:RUBITECAN, Data:XR3-1463] SSCI294-61-02,3DEG/MIN
250
252
800
600
400
200
0
5
10
15
20
25
30
35
40
Theta-2Theta (deg)

FIG. 5

DSC (bottom) and TGA (top) of Rubitecan Form B.

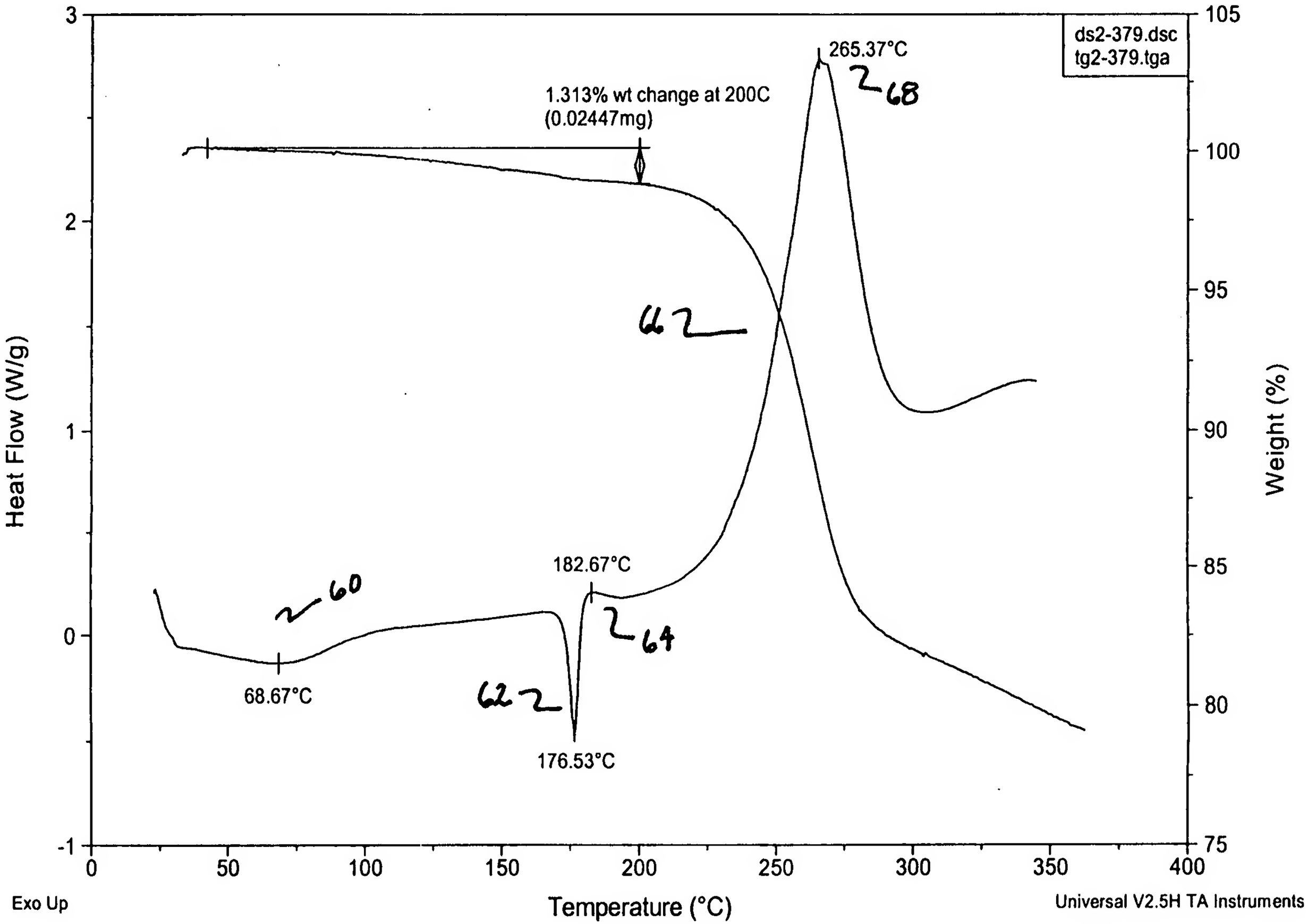

FIG. 6

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

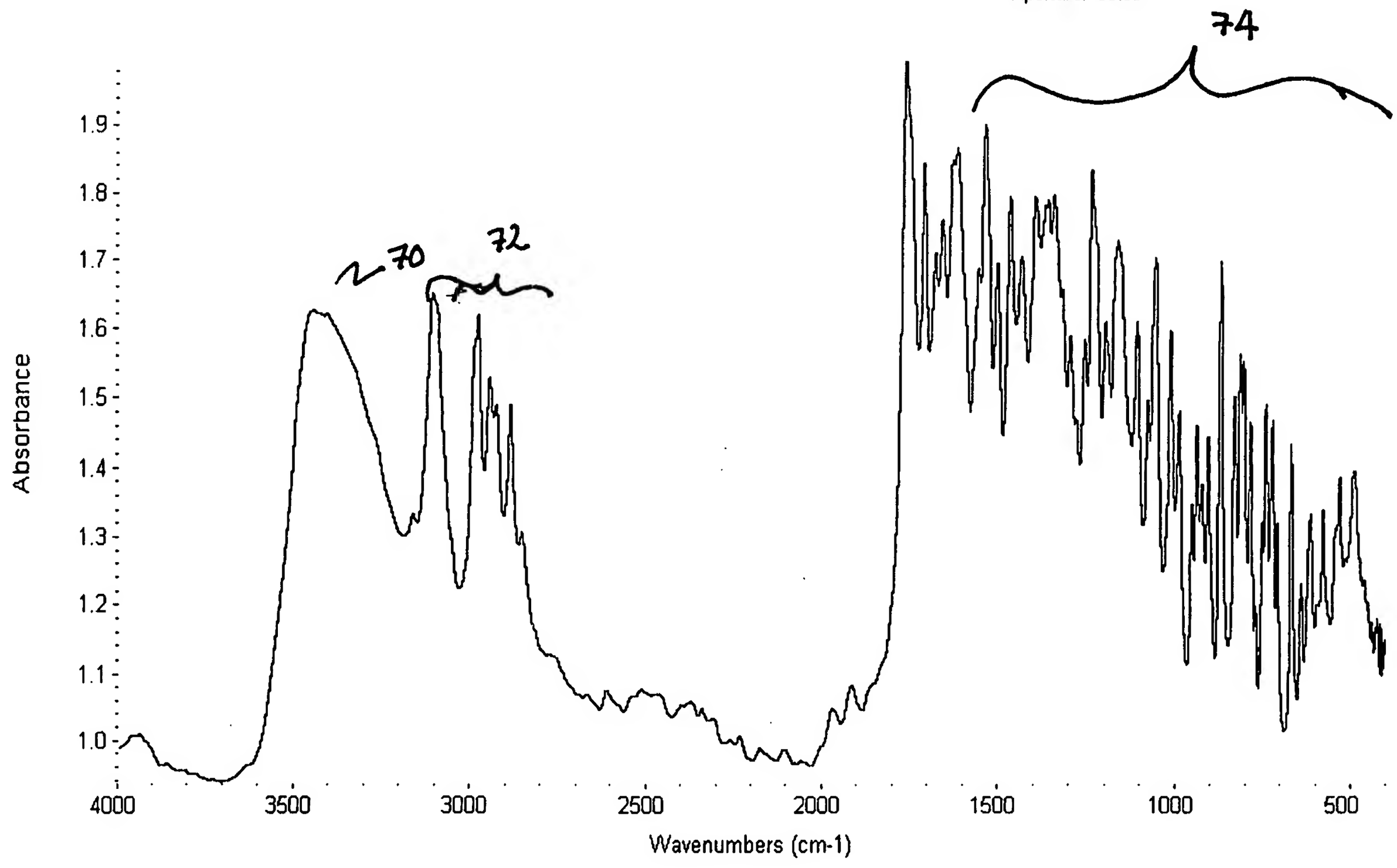

FIG. 7

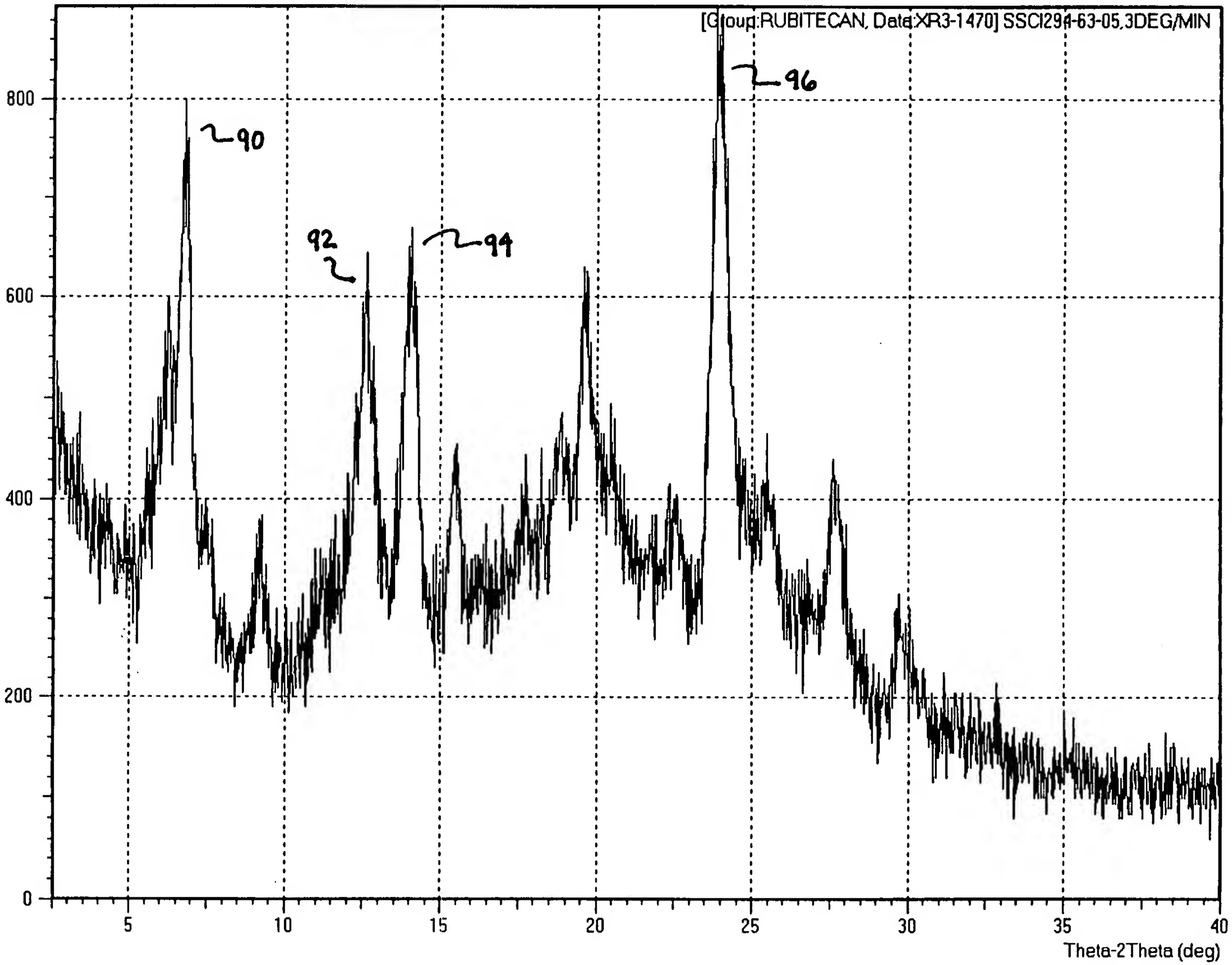

FIG. 9

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

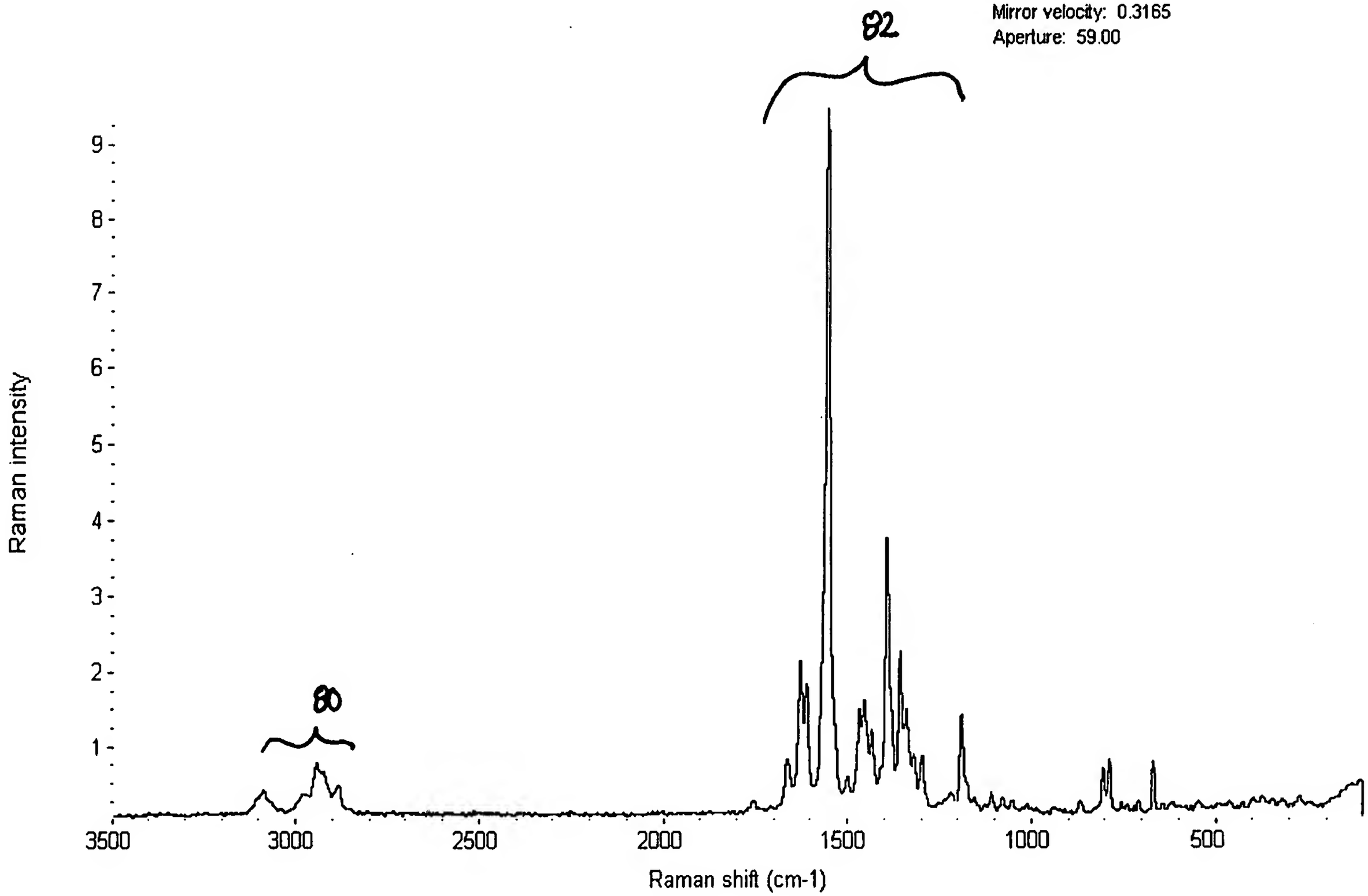

FIG. 8

DSC (bottom) and TGA (top) of Rubitecan Form C.

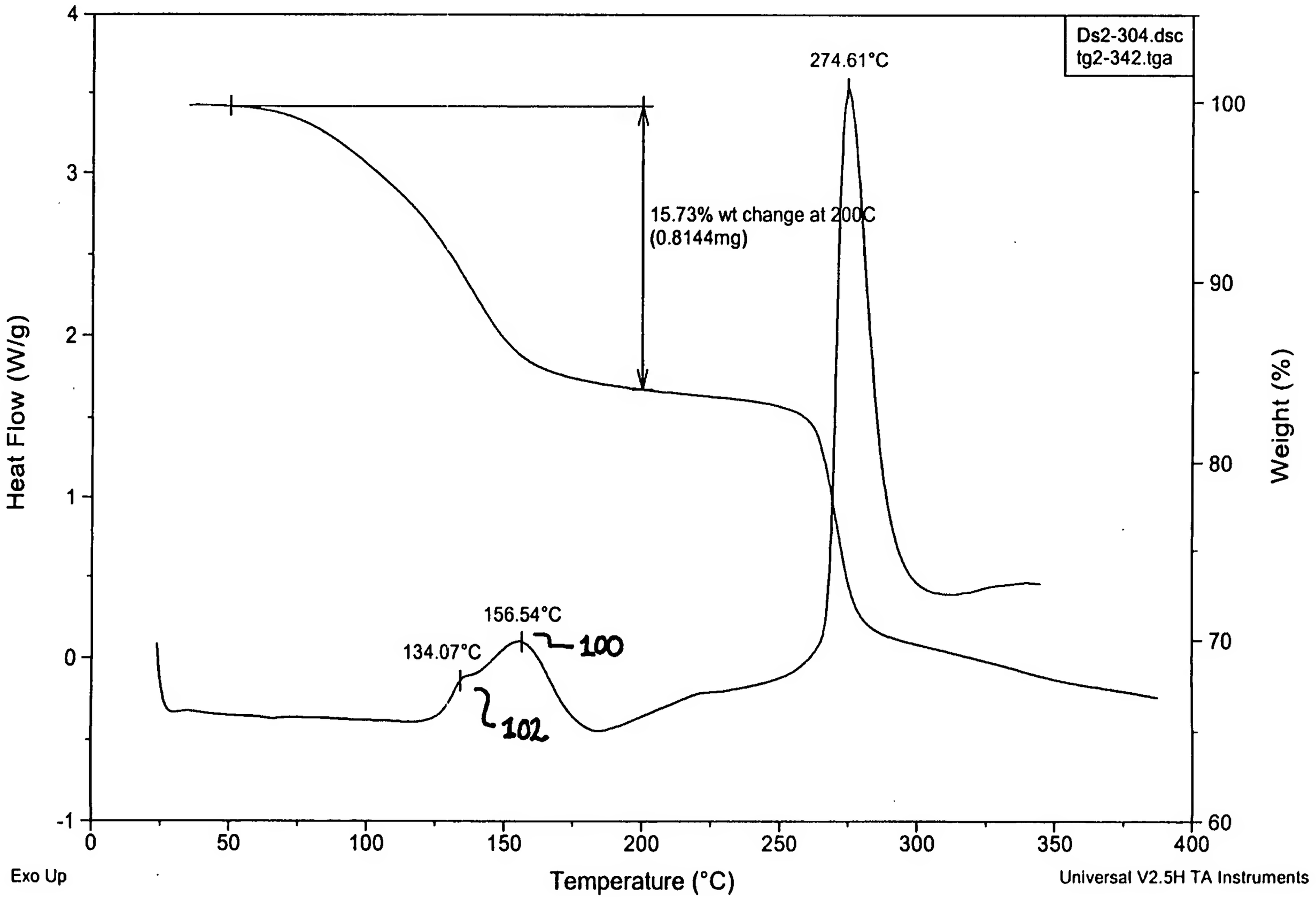

FIG. 10

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

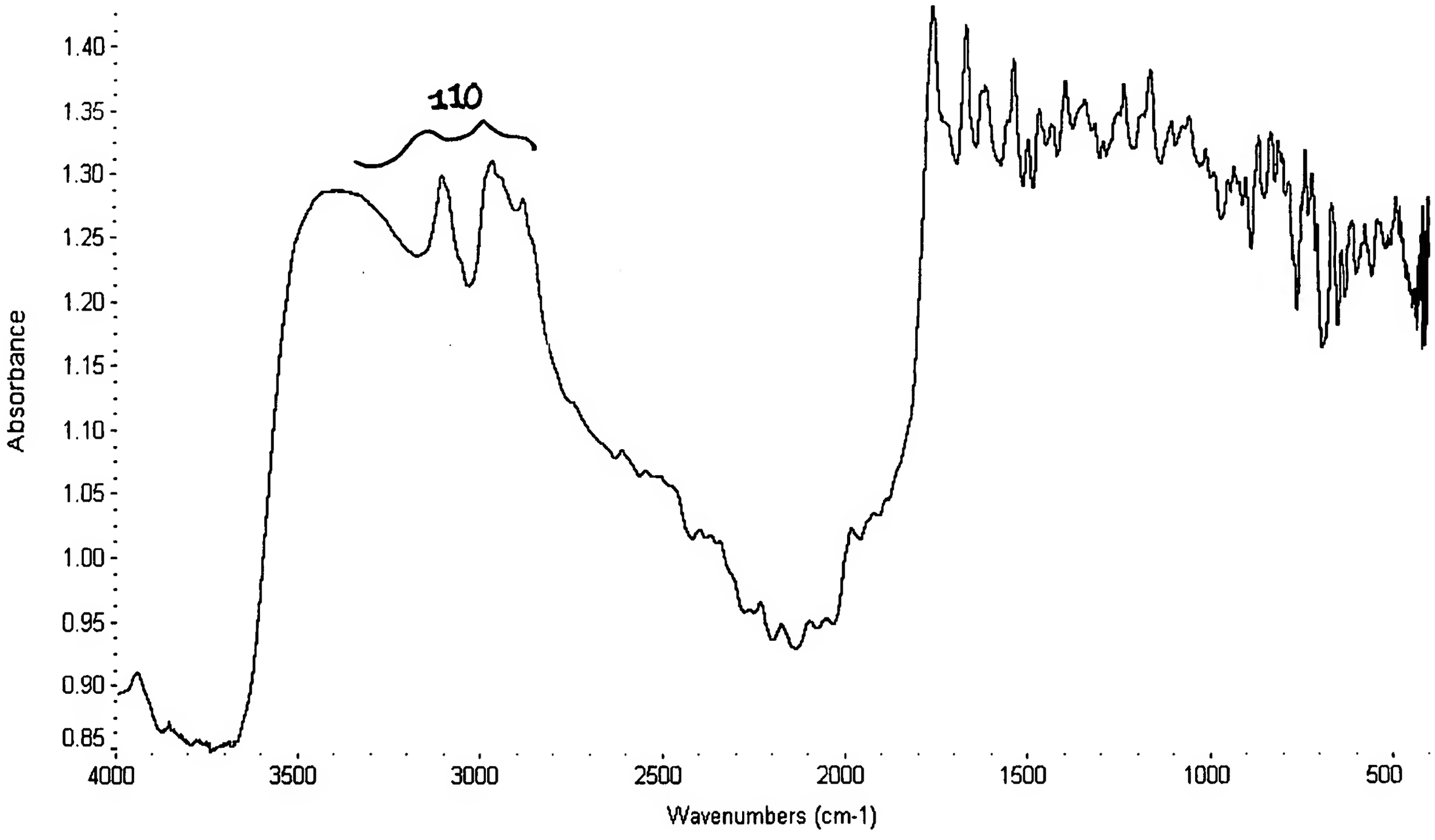

FIG. 11

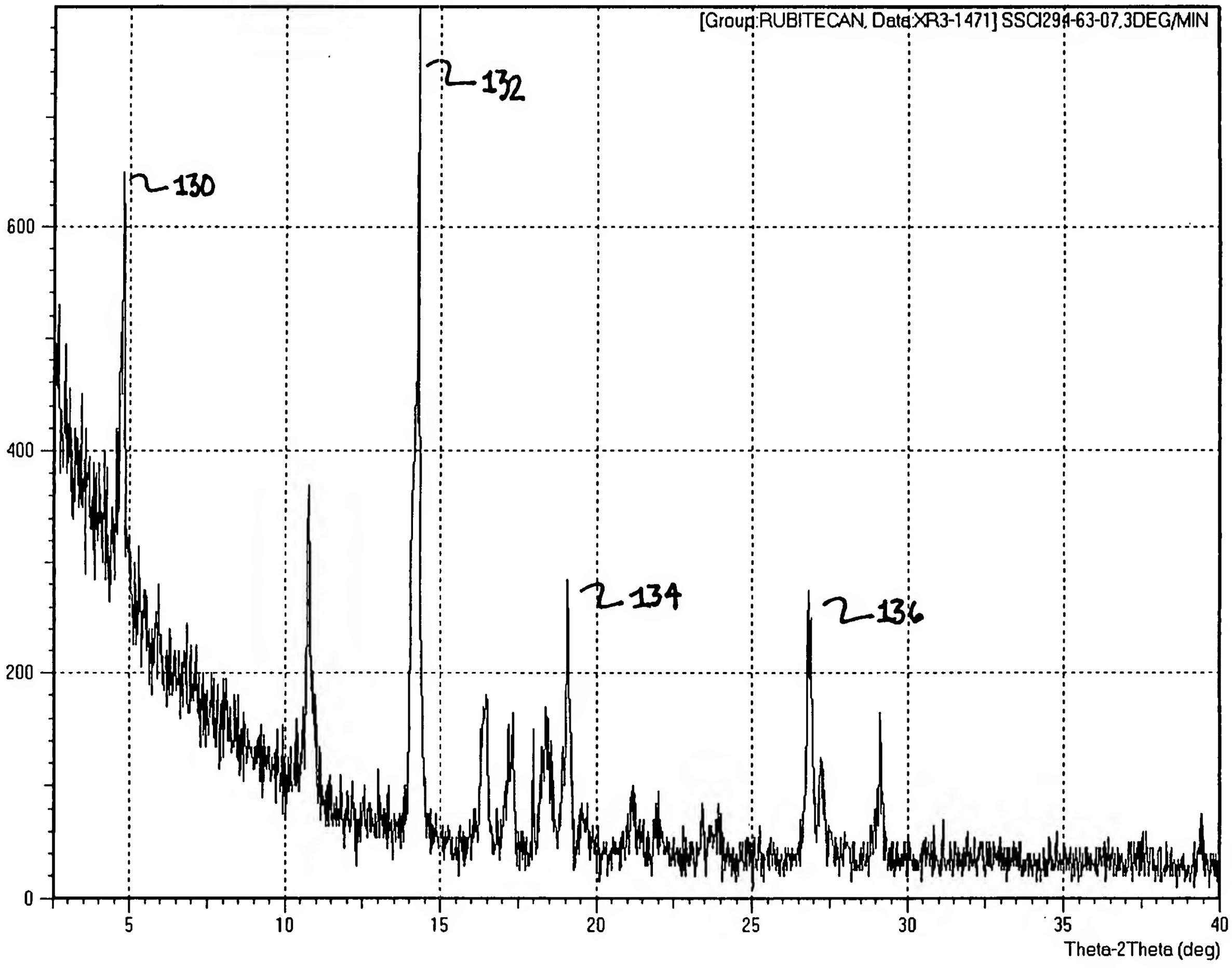
[Group:RUBITECAN, Data:XR3-1471] SSCI294-63-07.3DEG/MIN
130
132
134
136
600
400
200
0
5
10
15
20
25
30
35
40
Theta-2Theta (deg)

FIG. 13

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

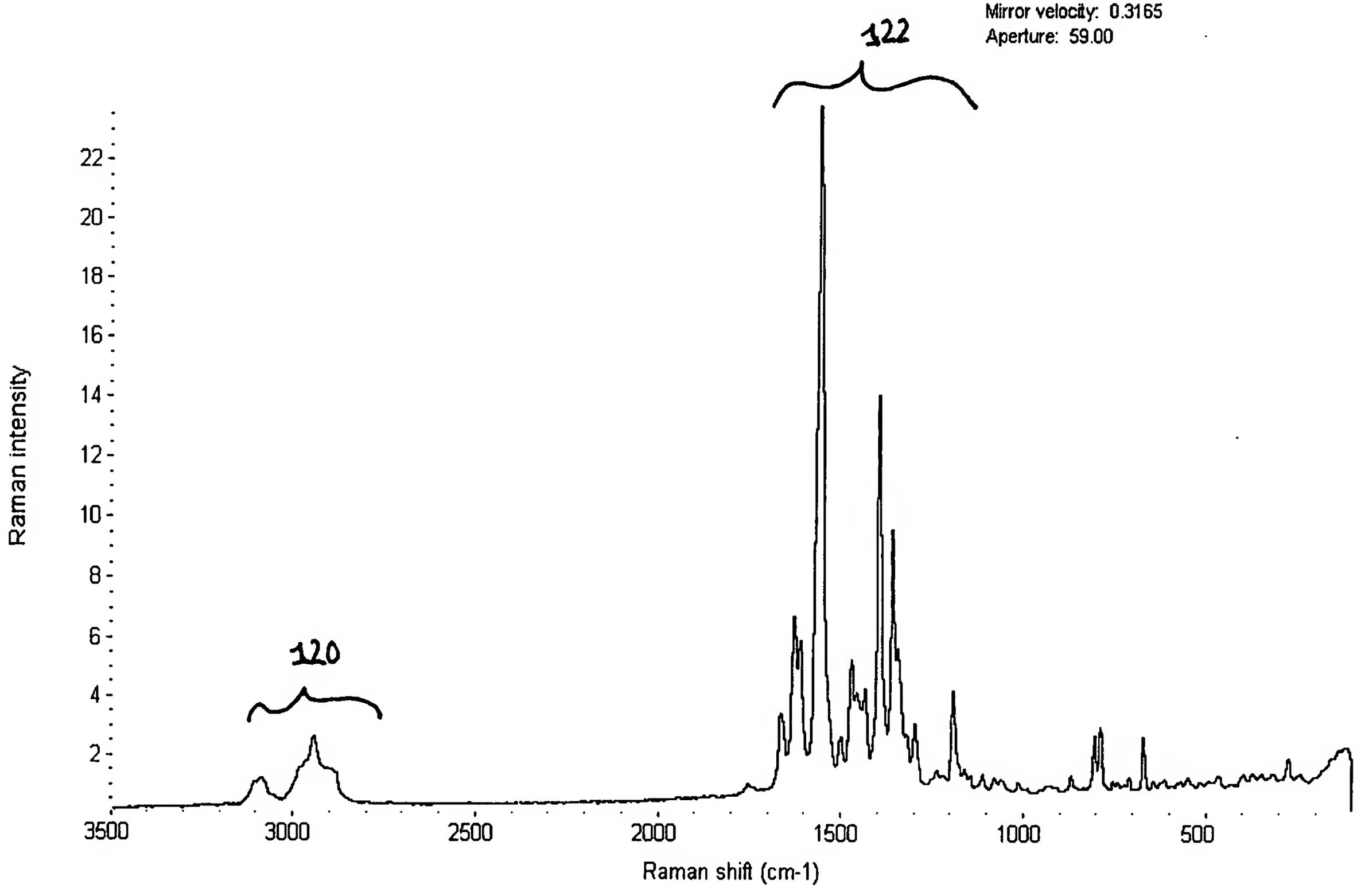

FIG. 12

DSC (bottom) and TGA (top) of Rubitecan Form D.

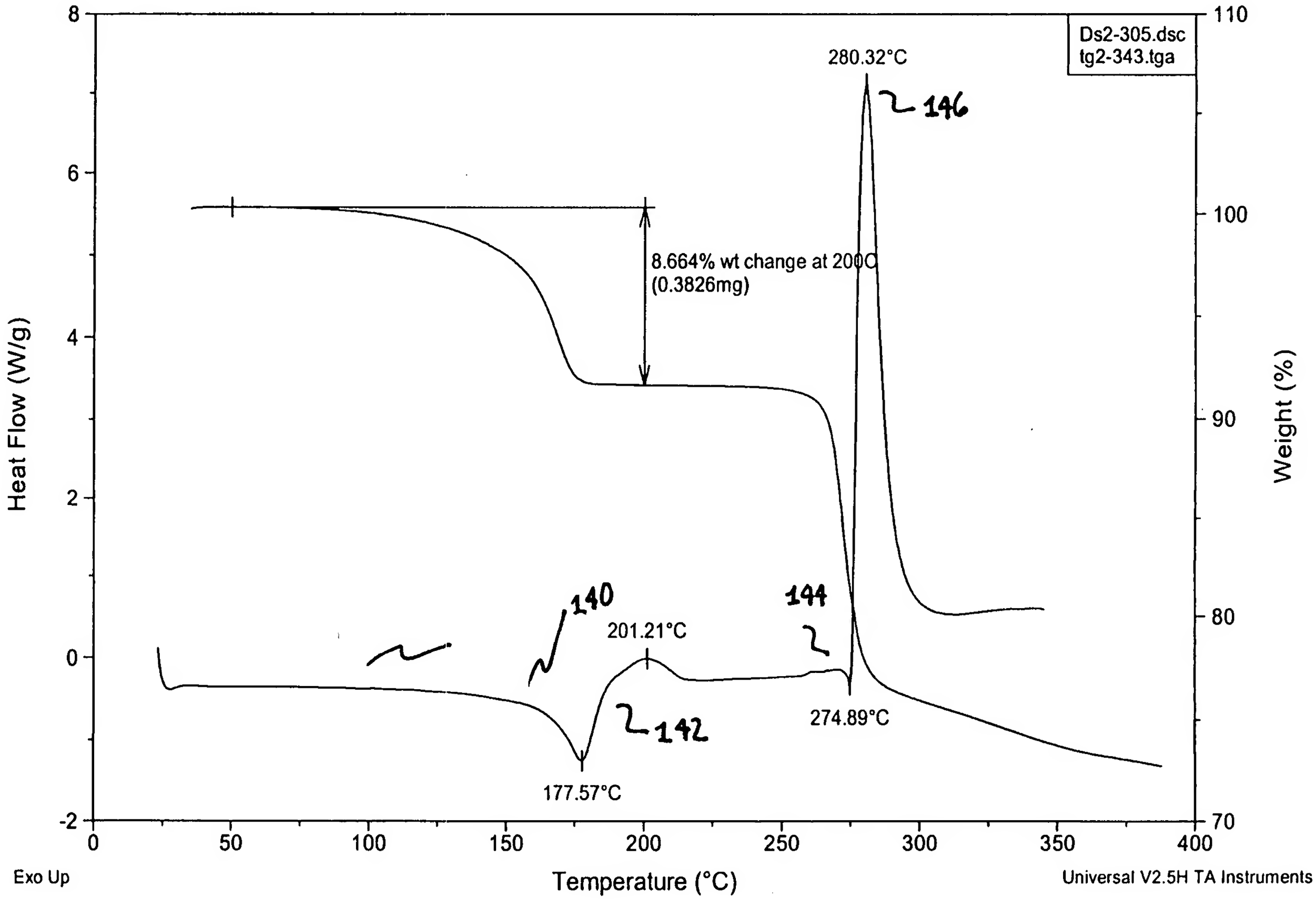

FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

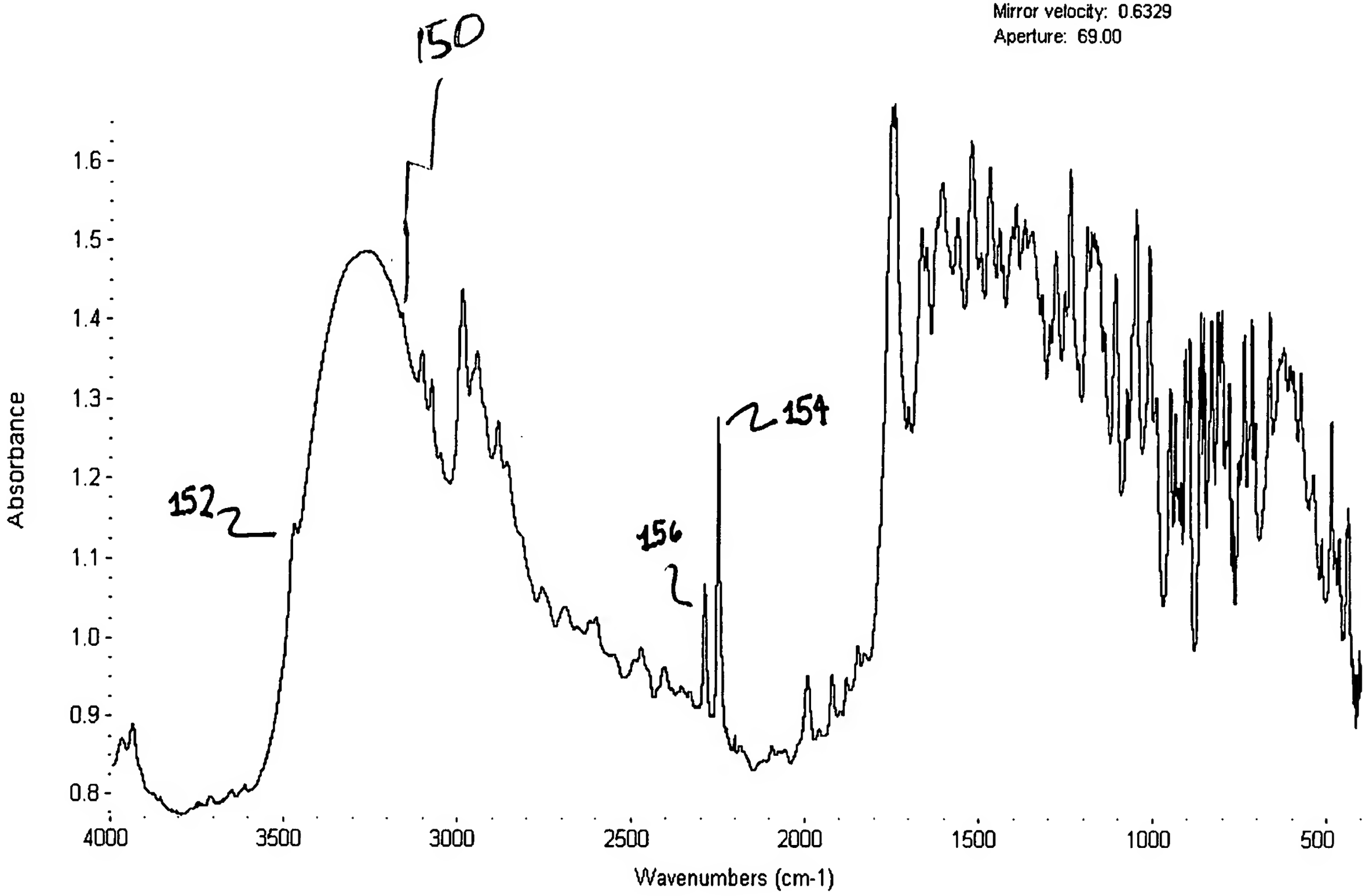

FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

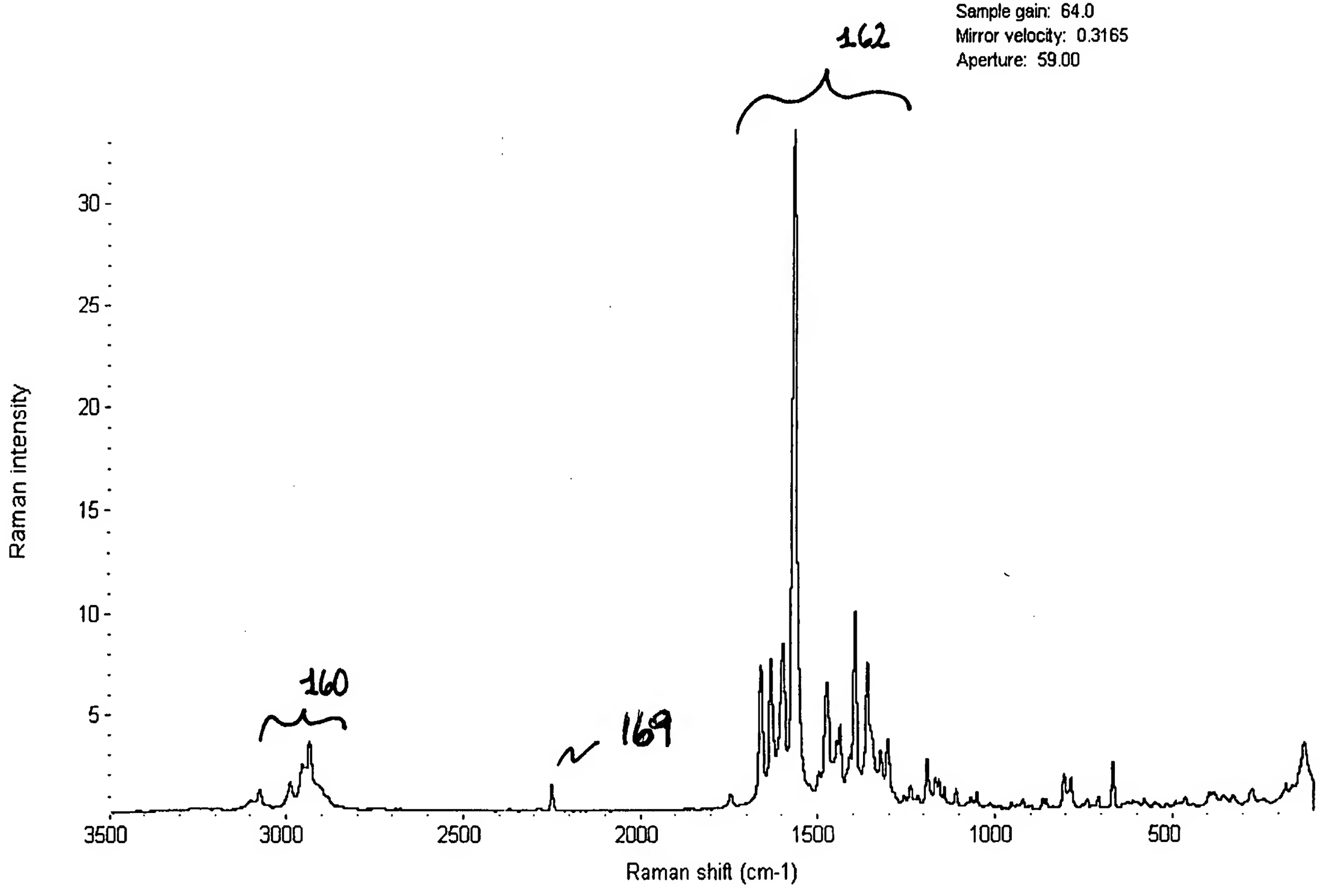

FIG. 16

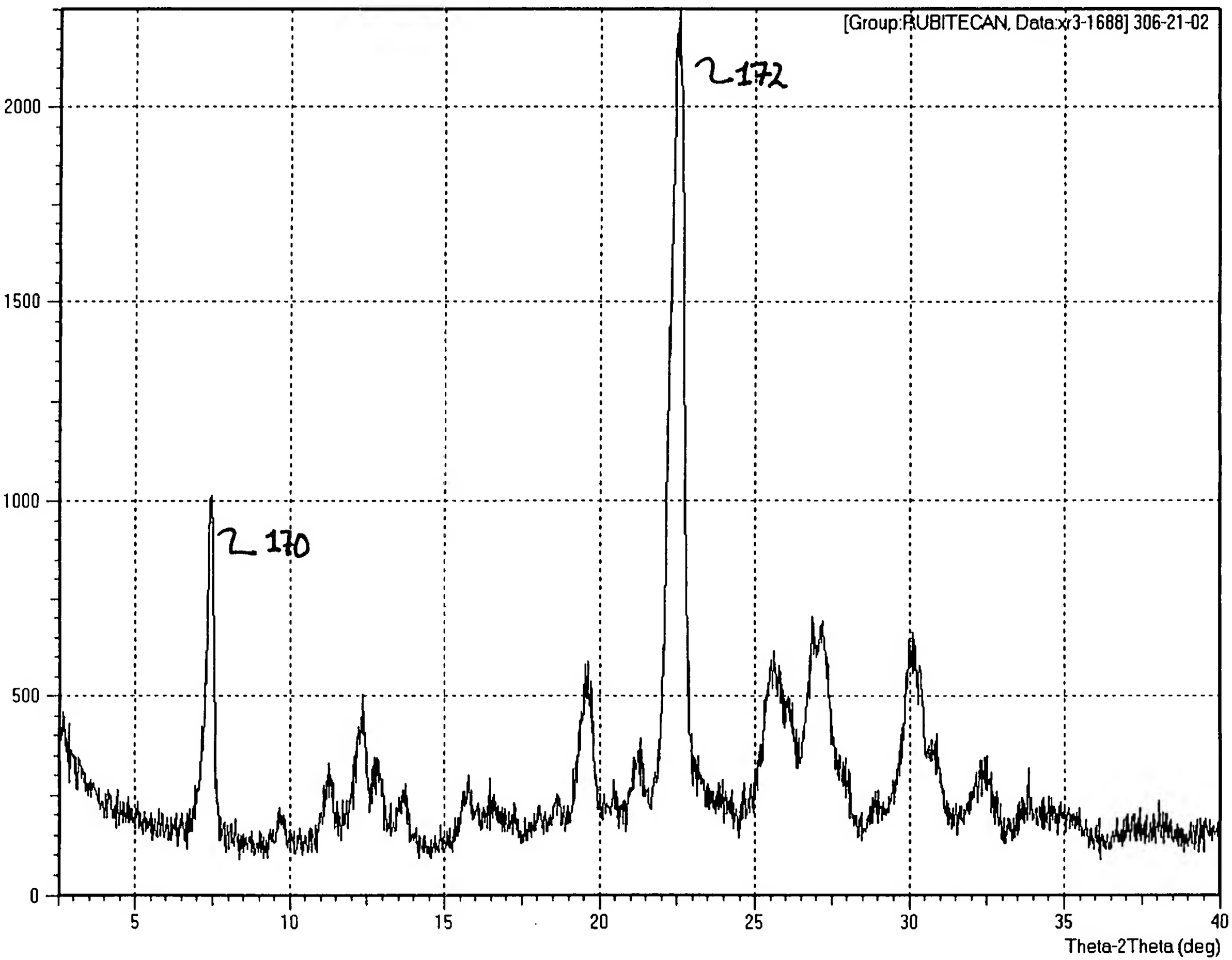
[Group:RUBITECAN, Data:xr3-1688] 306-21-02
2172
2170
2000
1500
1000
500
0
5
10
15
20
25
30
35
40
Theta-2Theta (deg)

FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.

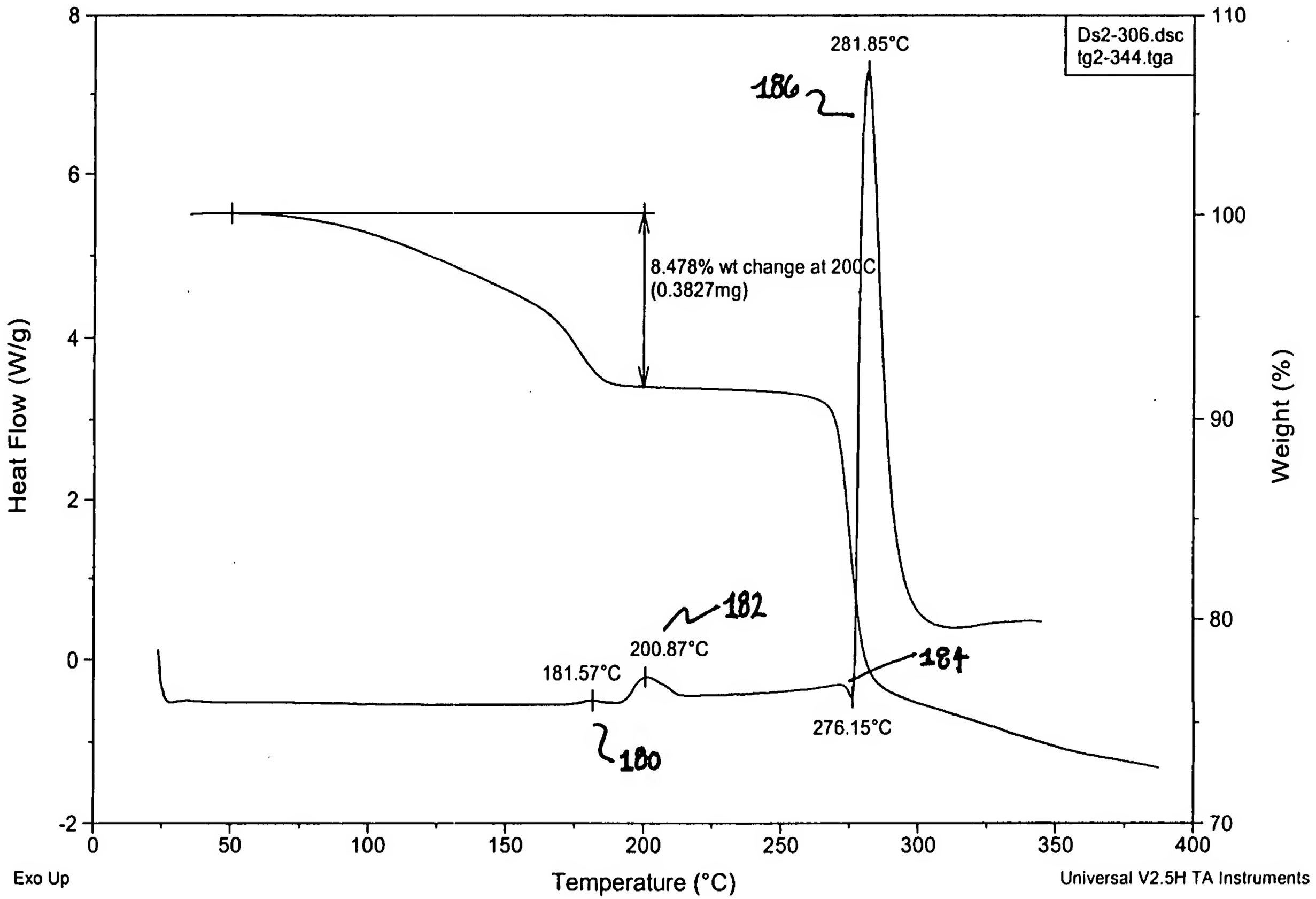

FIG. 18

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

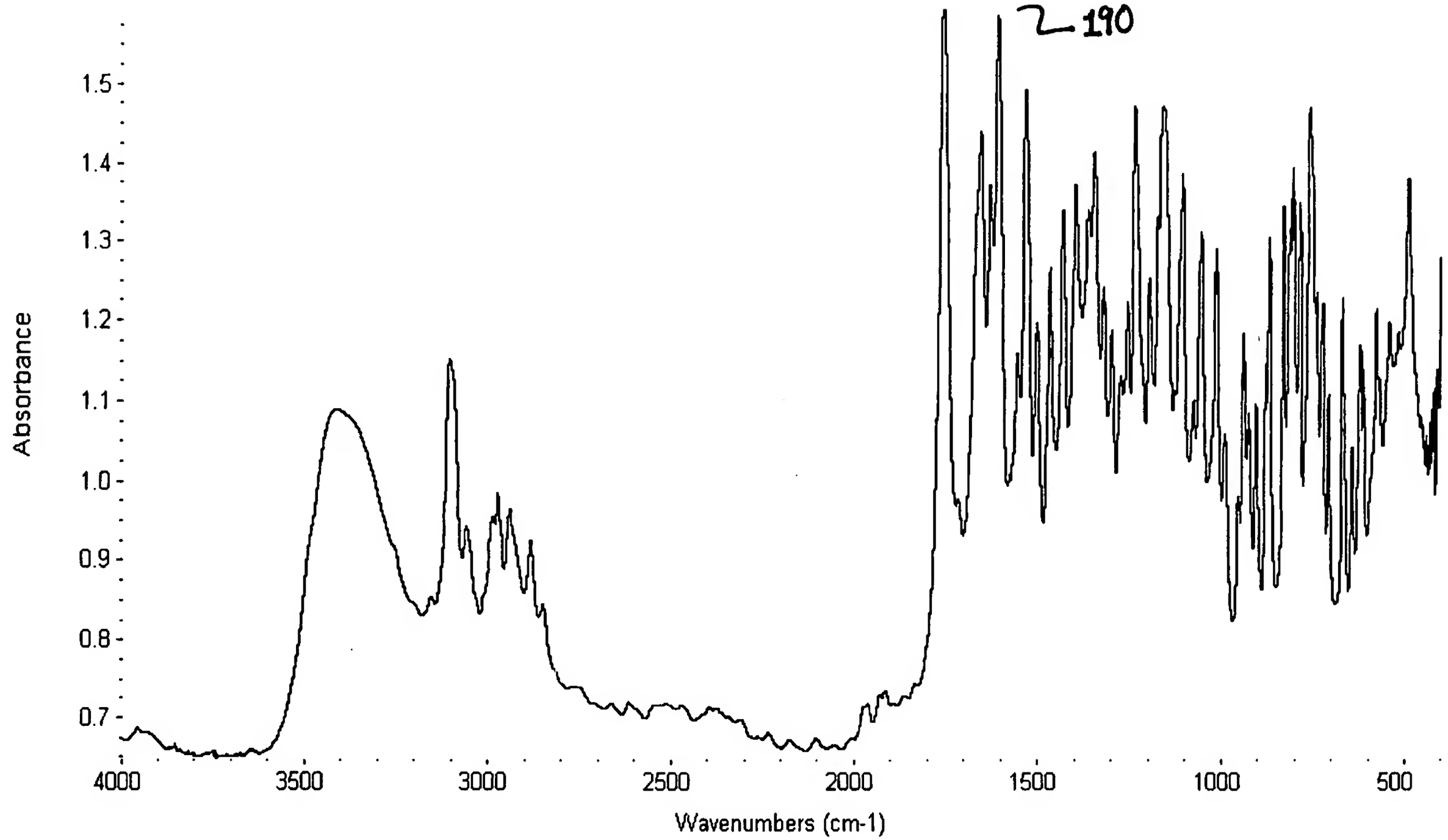

FIG. 19

Raman Spectrum, Nicolet m del 860 FT-Raman

202

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

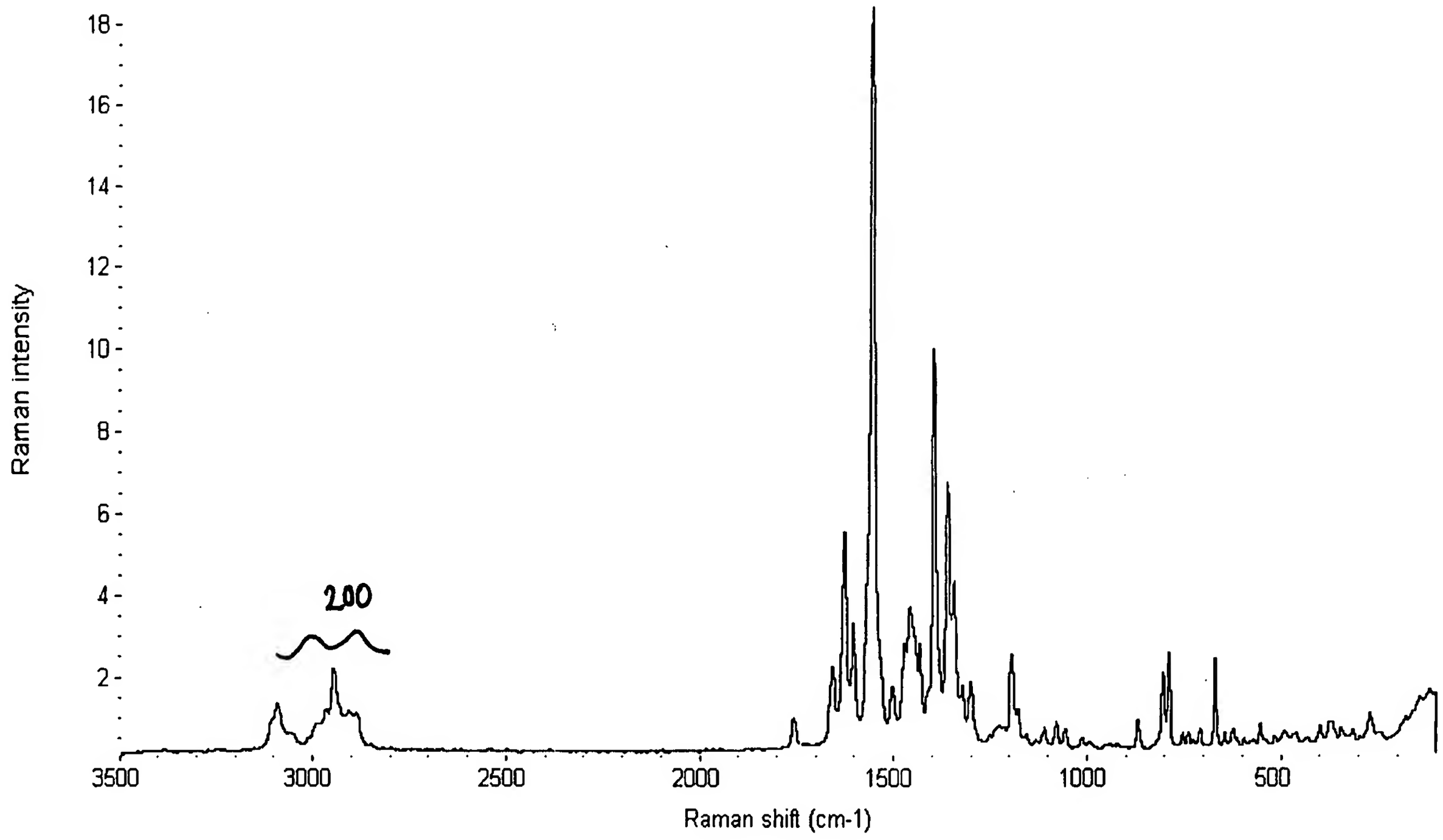

FIG. 20

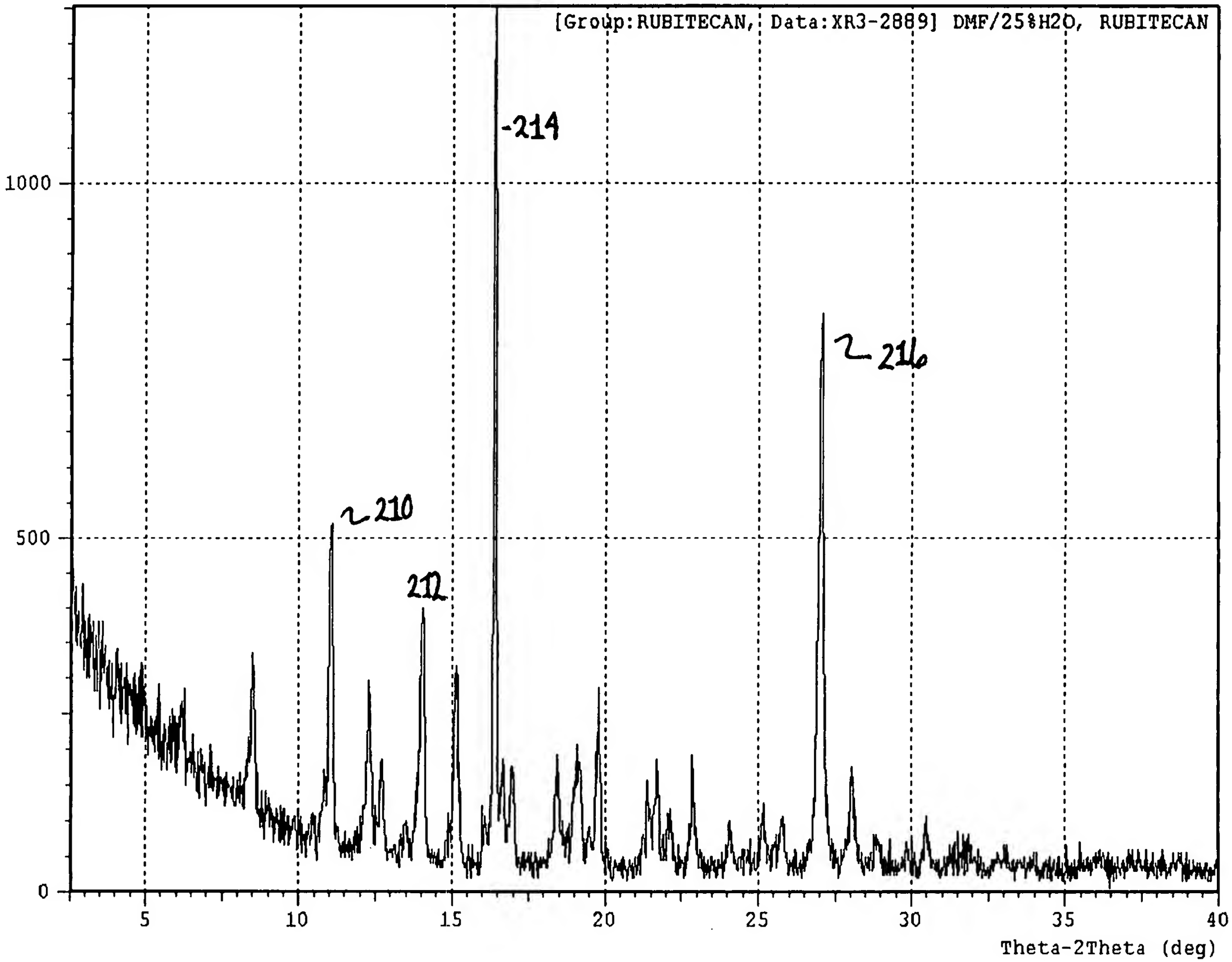
[Group:RUBITECAN, Data:XR3-2889] DMF/25%H2O, RUBITECAN
-214
2-216
2-210
212
1000
500
0
5
10
15
20
25
30
35
40
Theta-2Theta (deg)

FIG. 21

TGA of Rubitecan Form F.

Sample: RUBITECAN
Size: 0.6500 mg
Method: RUBITECAN
Comment: SSCI# 3131902, DMF/25%H2O, A VS C, NTBK 270-62

TGA

File: D:...\dsctga\tg2-378.tga
Operator: BAC
Run Date: 4-Apr-00 10:07

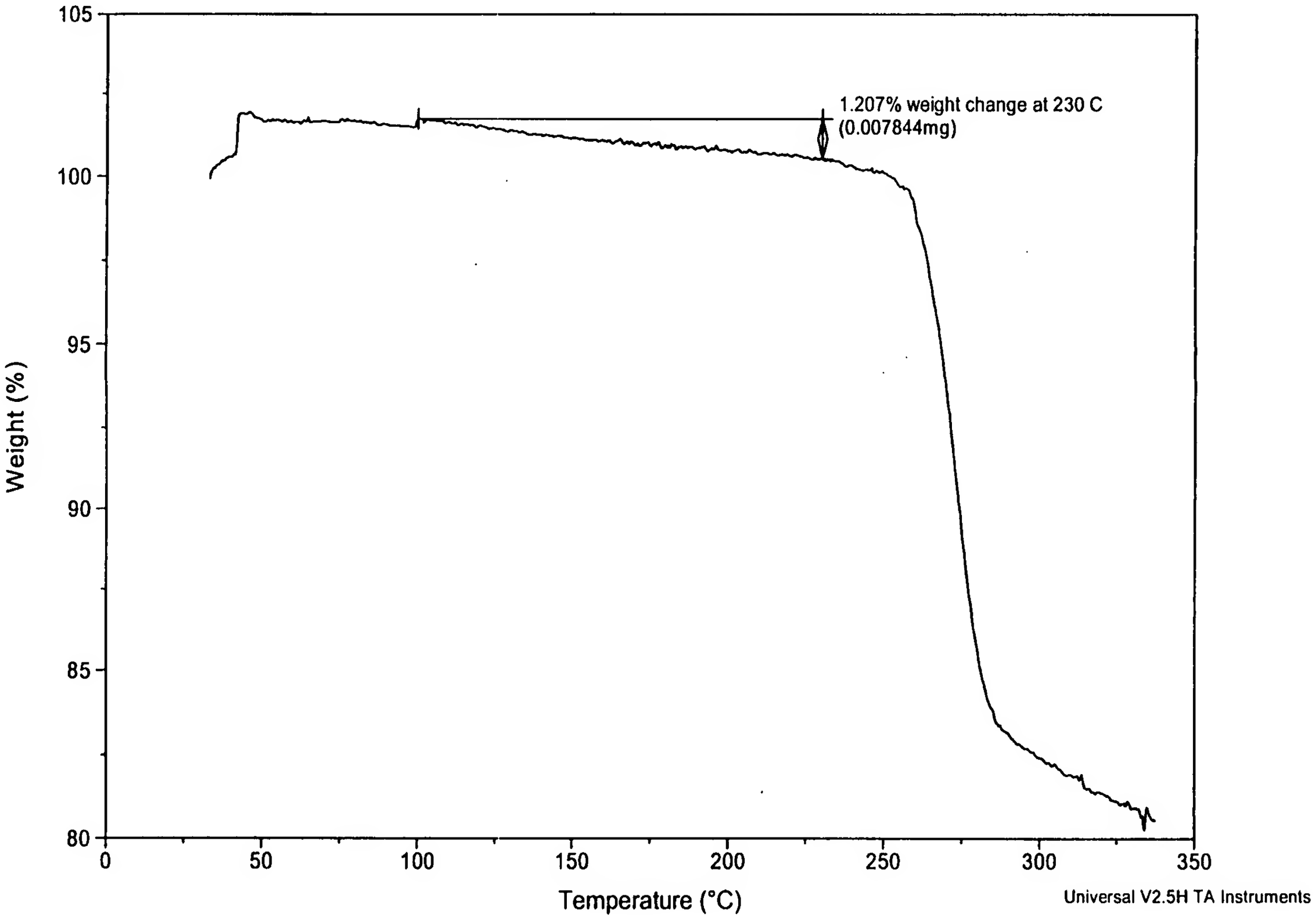

FIG. 22

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000
Number of sample scans: 256
Number of background scans: 256
Resolution: 4.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 100.00

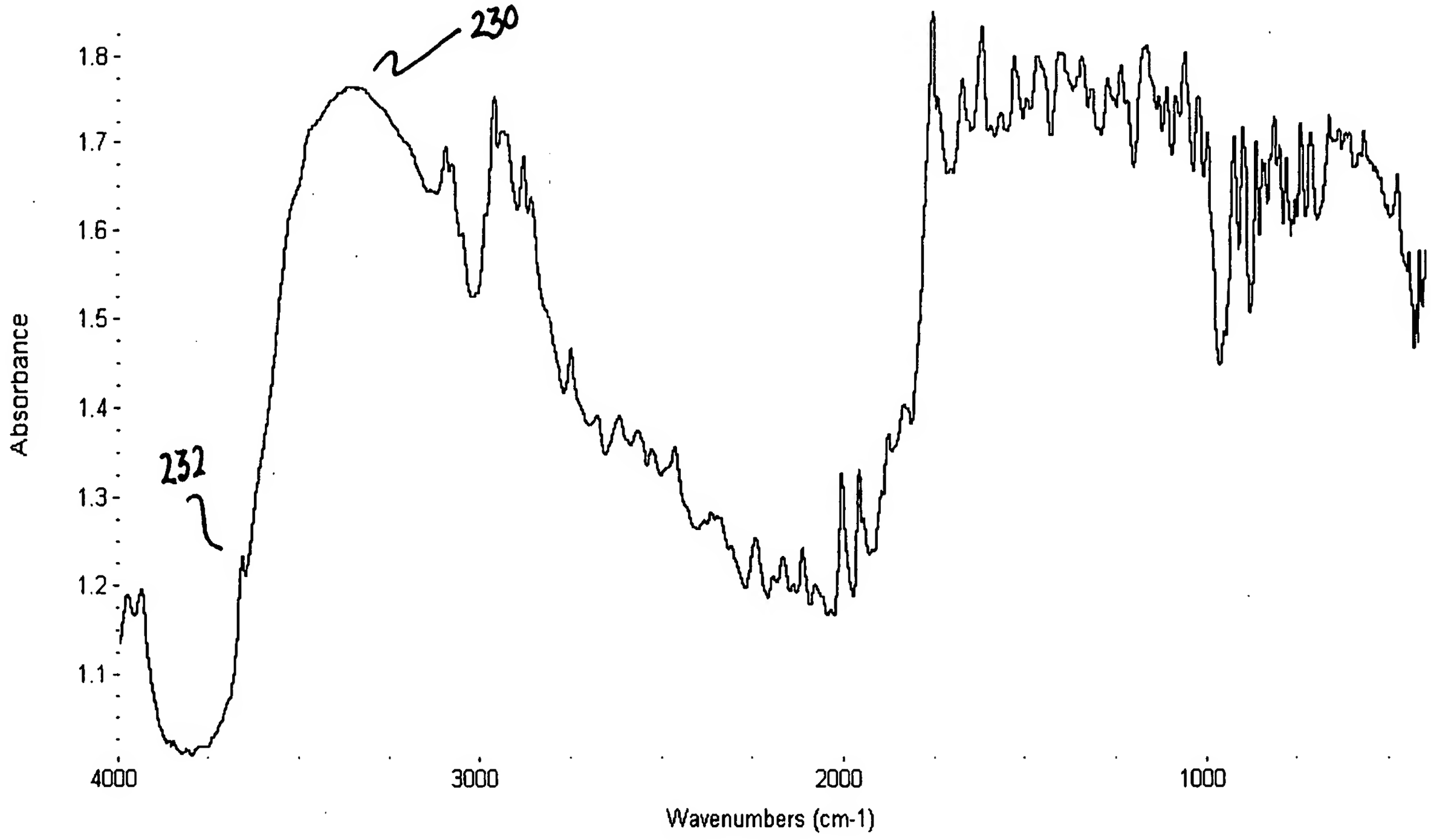

FIG. 23

Raman Spectrum, Nicolet m d 1860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

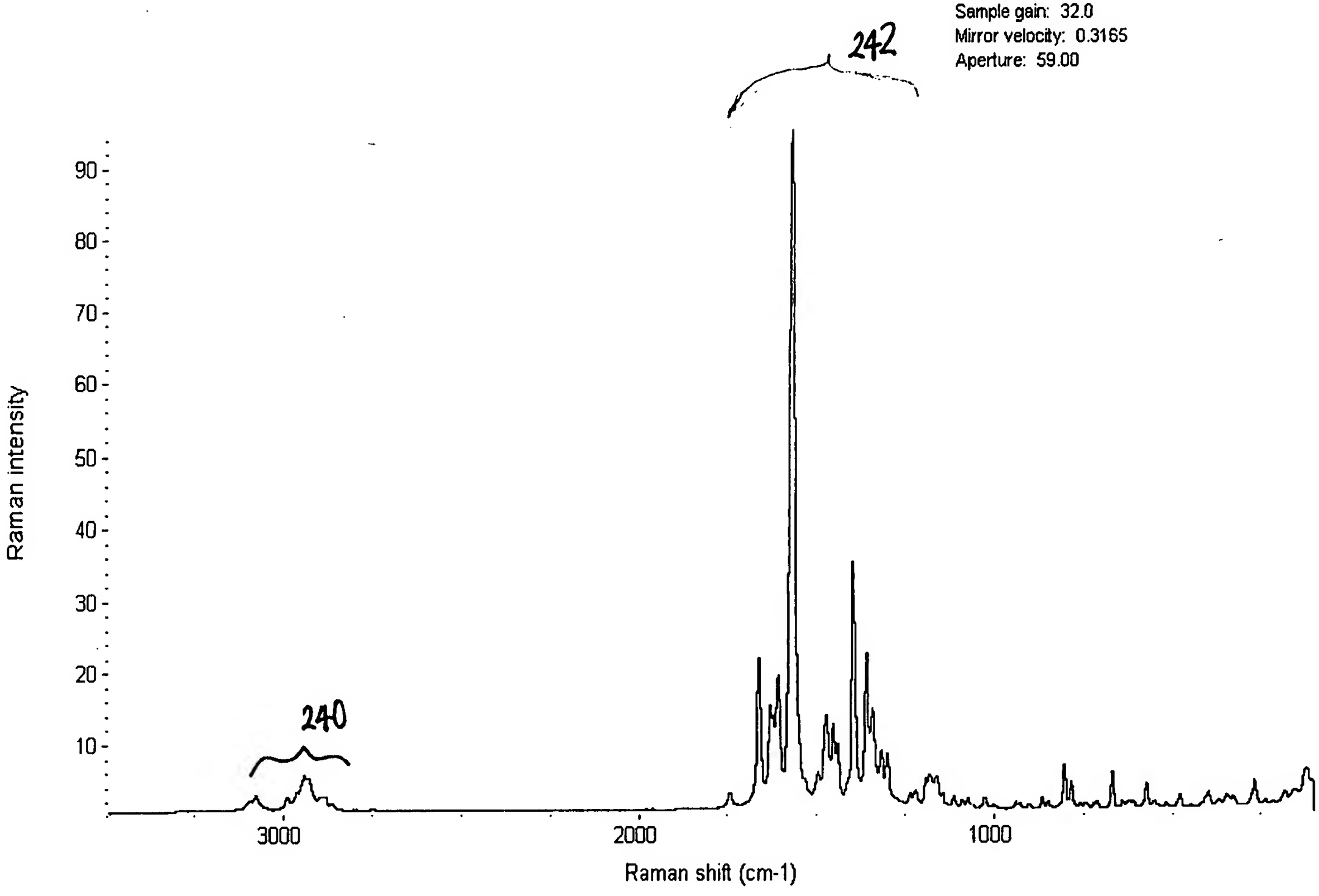

FIG. 24

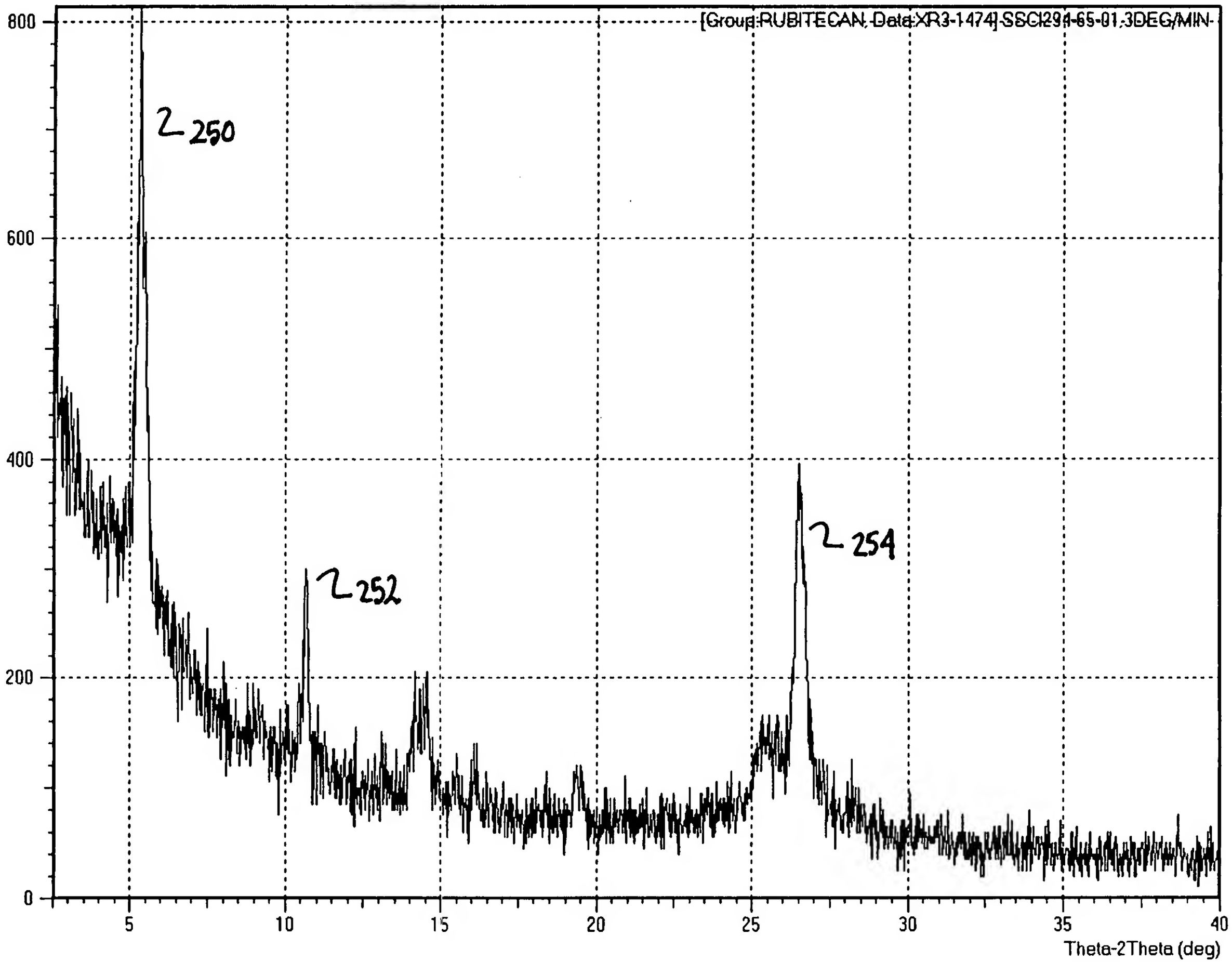
[Group:RUBITECAN,Data:XR3-1474]-SSCI294-65-01.3DEG/MIN-
800
600
400
200
0
2 250
2 252
2 254
5
10
15
20
25
30
35
40
Theta-2Theta (deg)

FIG. 25

DSC (bottom) and TGA (top) of Rubitecan Form G.

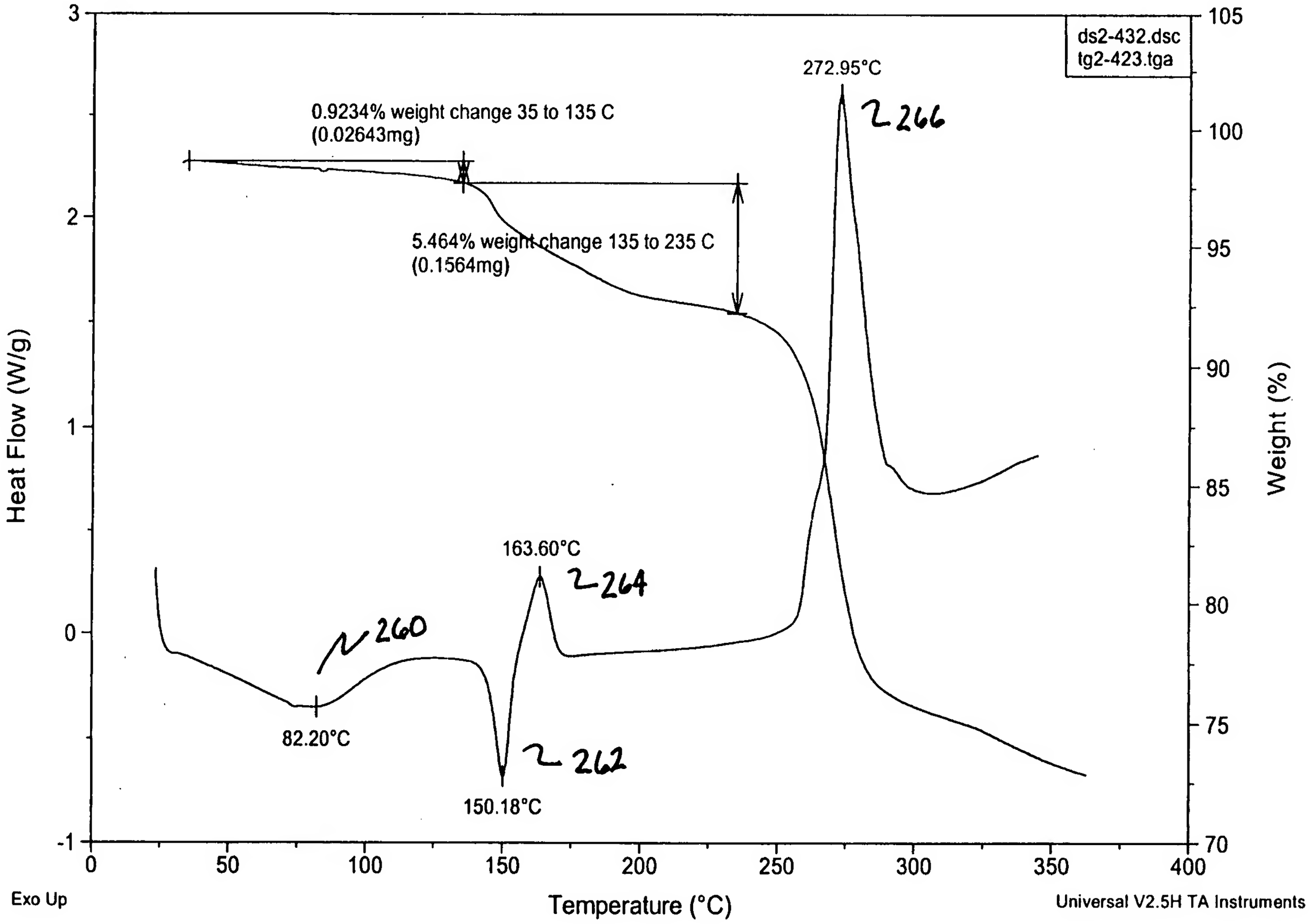

FIG. 26

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

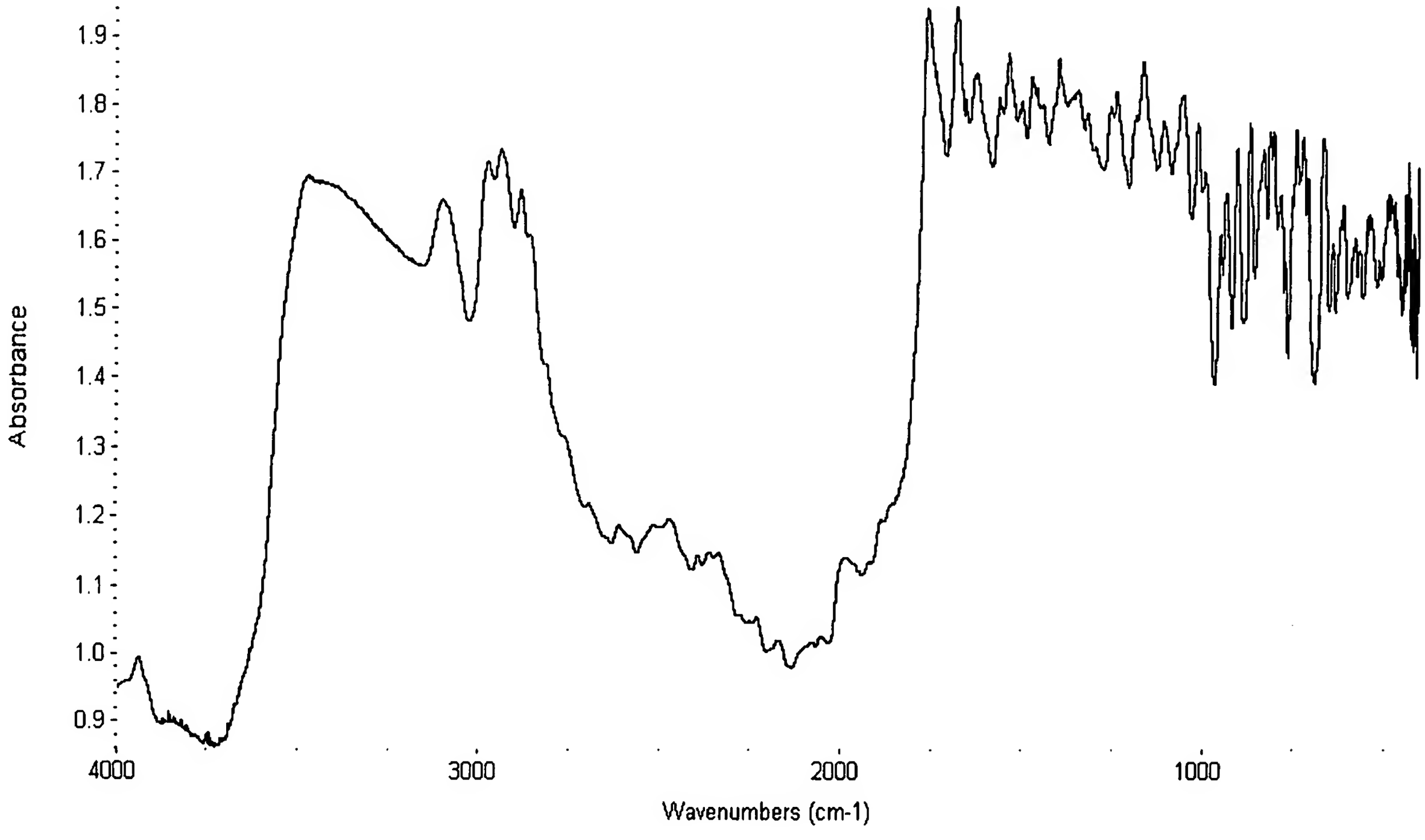

FIG. 27

Raman Spectrum, Nic let m del 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 4.0
Mirror velocity: 0.3165
Aperture: 59.46

282

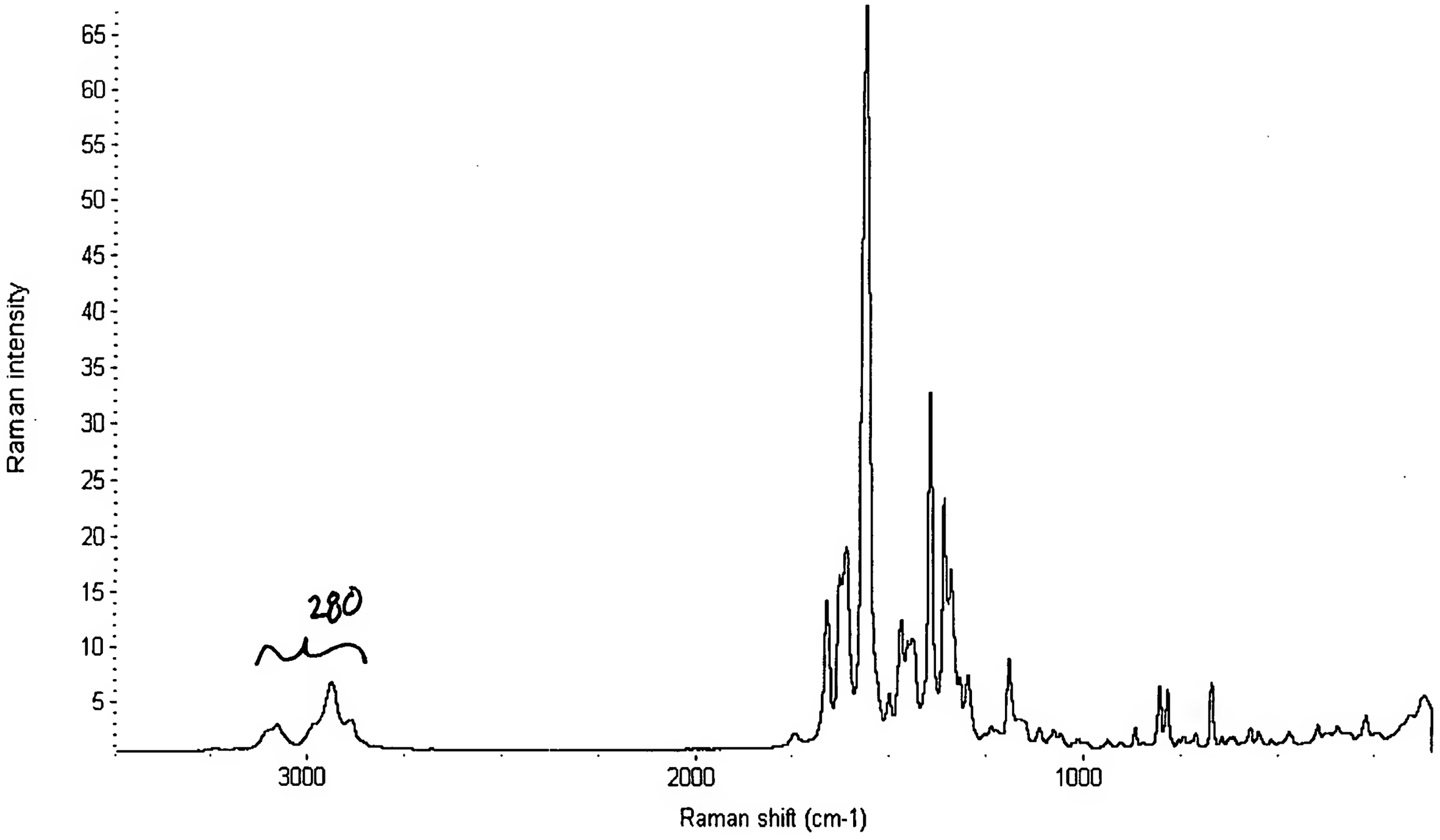

FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

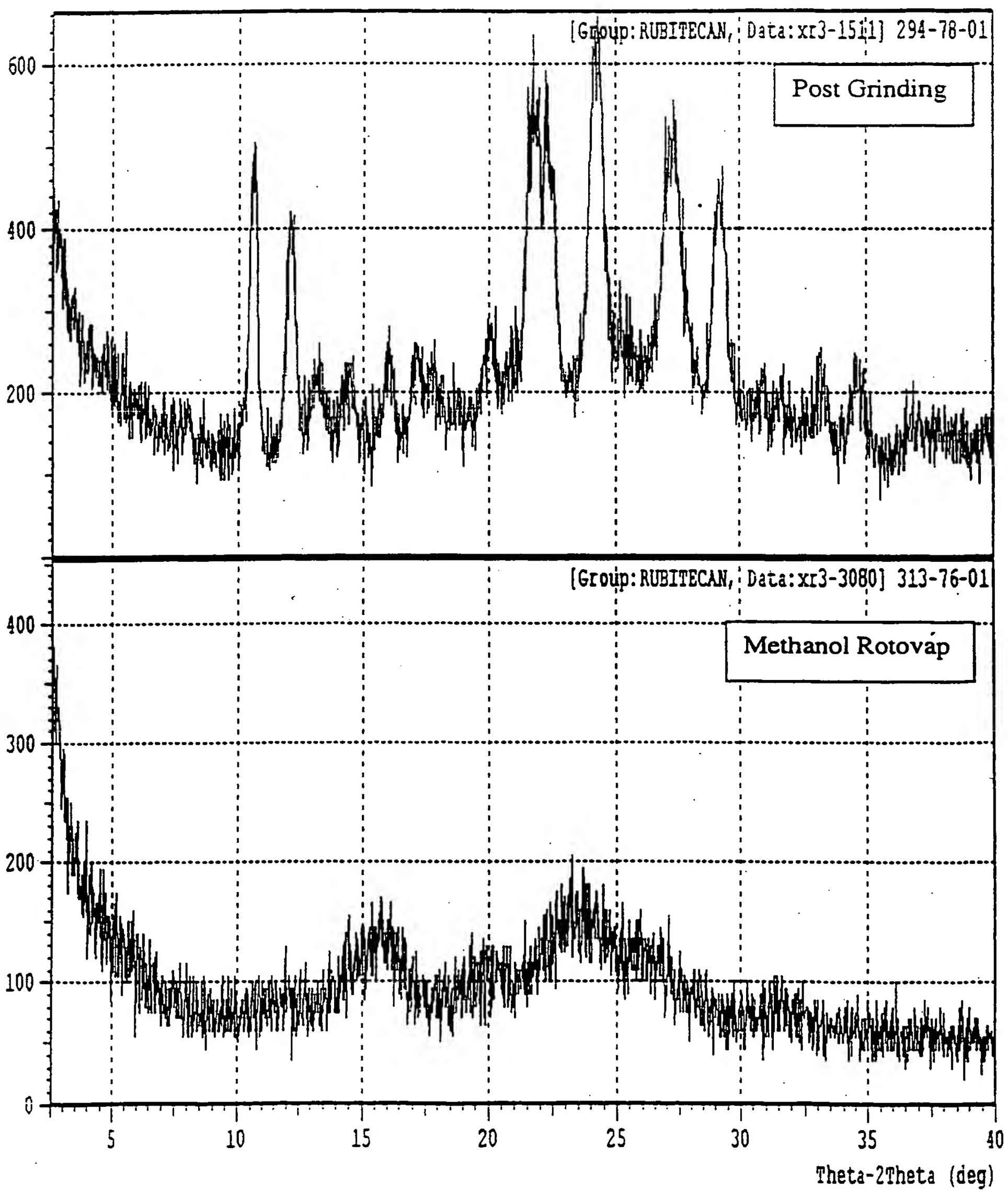

Fig. 29